

CELLS AND METHOD FOR PRESERVING CELLS

Abstract of the Disclosure

A dehydrated composition is provided that includes freeze-dried cells. A method for loading a solute into a cell comprising disposing a cell in a solution having at temperature of at least 25⁰ C and a solute concentration of sufficient magnitude to produce hyperosmotic pressure on the cell for transferring a solute from the solution into the cell. A method for reconstituting dried cells by drying loaded cells in a drying solution and reconstituting dried cells in a rehydration solution. A method for stabilizing cells by producing cells having an effective amount of a solute and a mean corpuscular hemoglobin greater than about 10.